

FIG. 2

The five cognitive frames of reference and their polar opposites are:

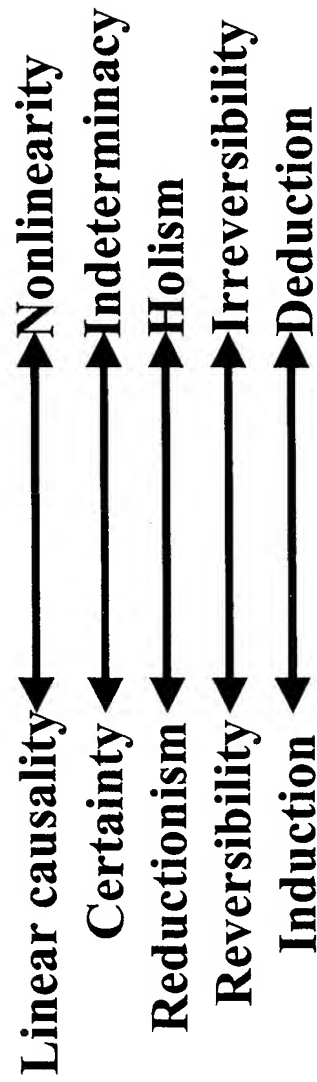


FIG. 3A

	Linear Causality	Reductionism	Certainty	Reversibility	Induction
Positivism	Accept	Accept	Accept	Accept	Accept
Logical Positivism	Accept	Accept	Accept	Accept	Accept
Post Positivism	Accept	Accept	Reject	Accept	Accept
Special and General Relativity Theory	Accept	Accept	Accept	Accept	Reject
Probability Theory	Accept	Accept	Reject	Accept	Accept

FIG. 3B


	Linear Causality	Reductionism	Certainty	Reversibility	Induction
					
Dissipative Structure Theory	Reject	Reject	Reject	Reject	Reject
Complexity Theory	Reject	Reject	Reject	Reject	Reject
Normal Accident Theory	Reject	Reject	Reject	Reject	Reject
Consilience Theory	Accept	Accept	Reject	Accept	Accept

FIG. 4A

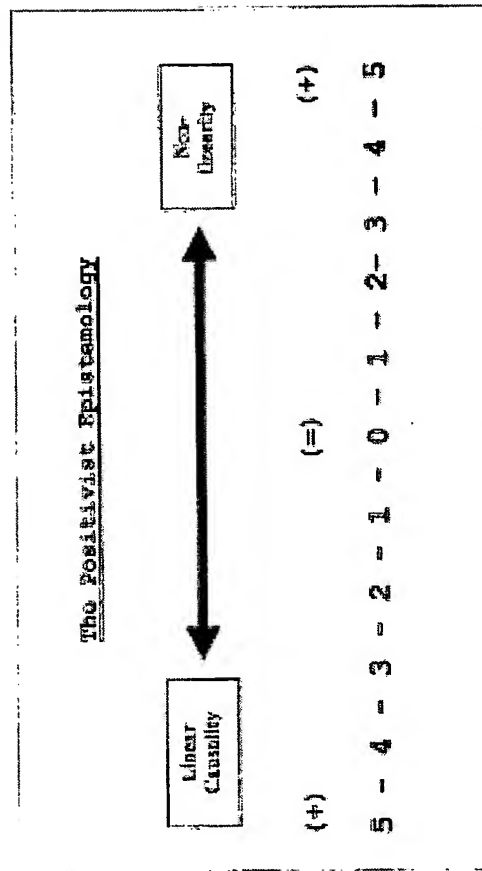


FIG. 4B

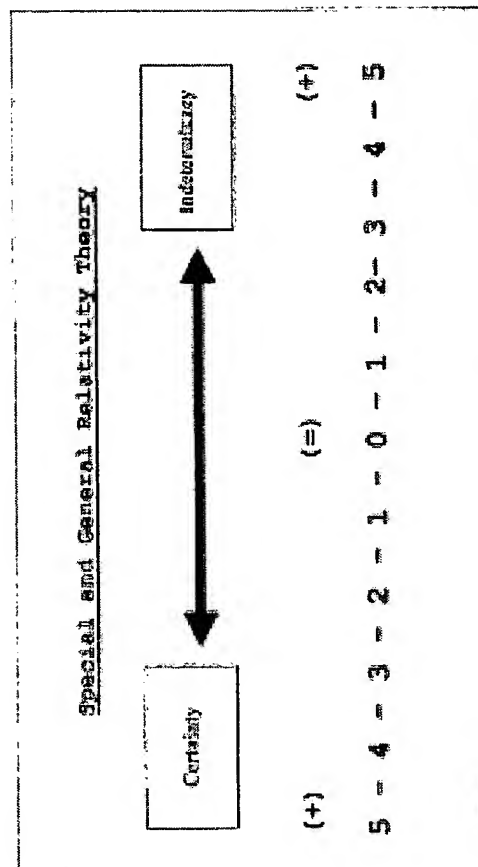


FIG. 5

Periodic vs. Aperiodic Systems (Gleick, 1989)

Aperiodic → Cosmic → Indeterminate

Periodic → Human Senses → Determinate

Aperiodic → Quantum → Indeterminate

FIG. 6

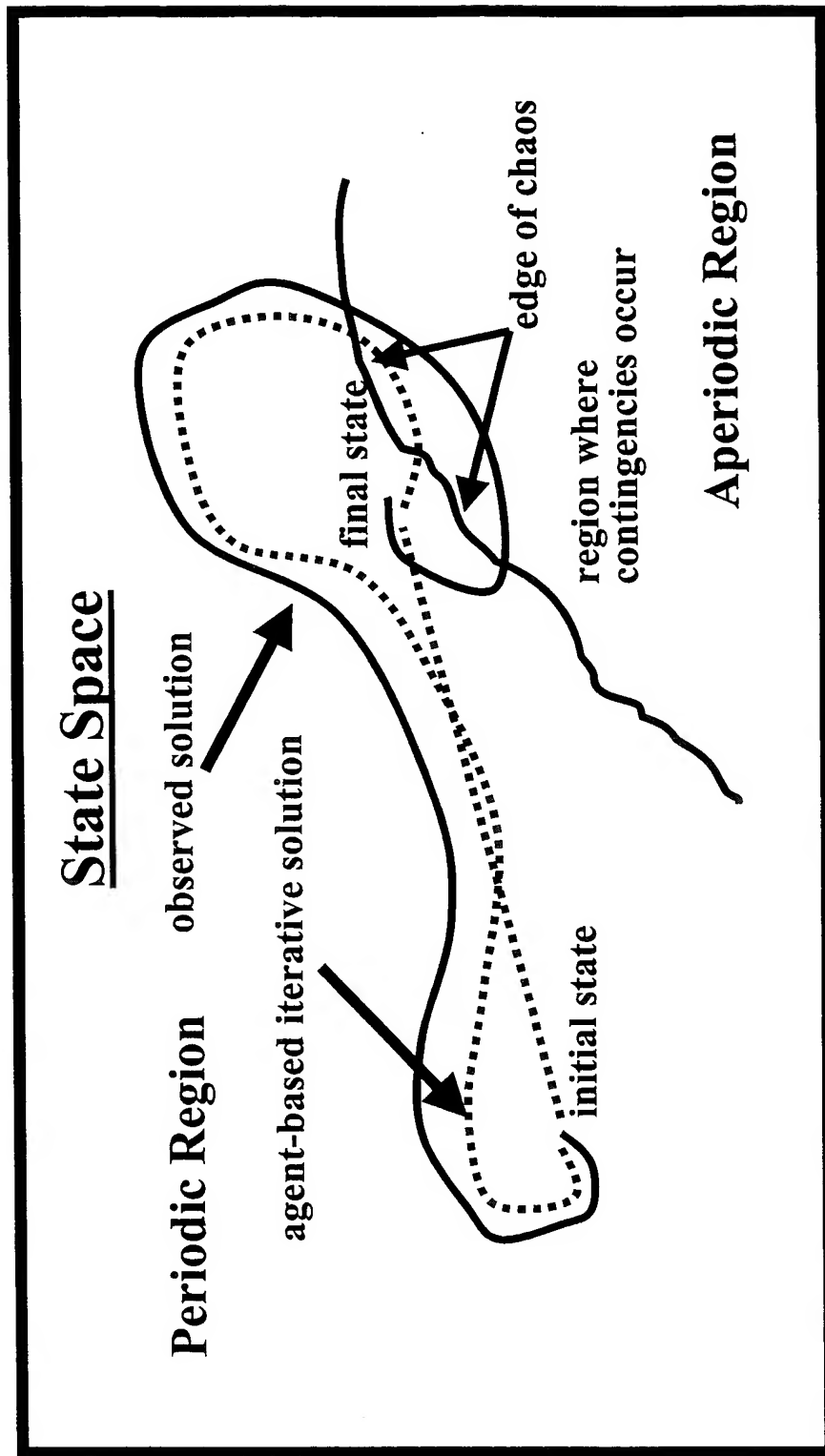


FIG. 7

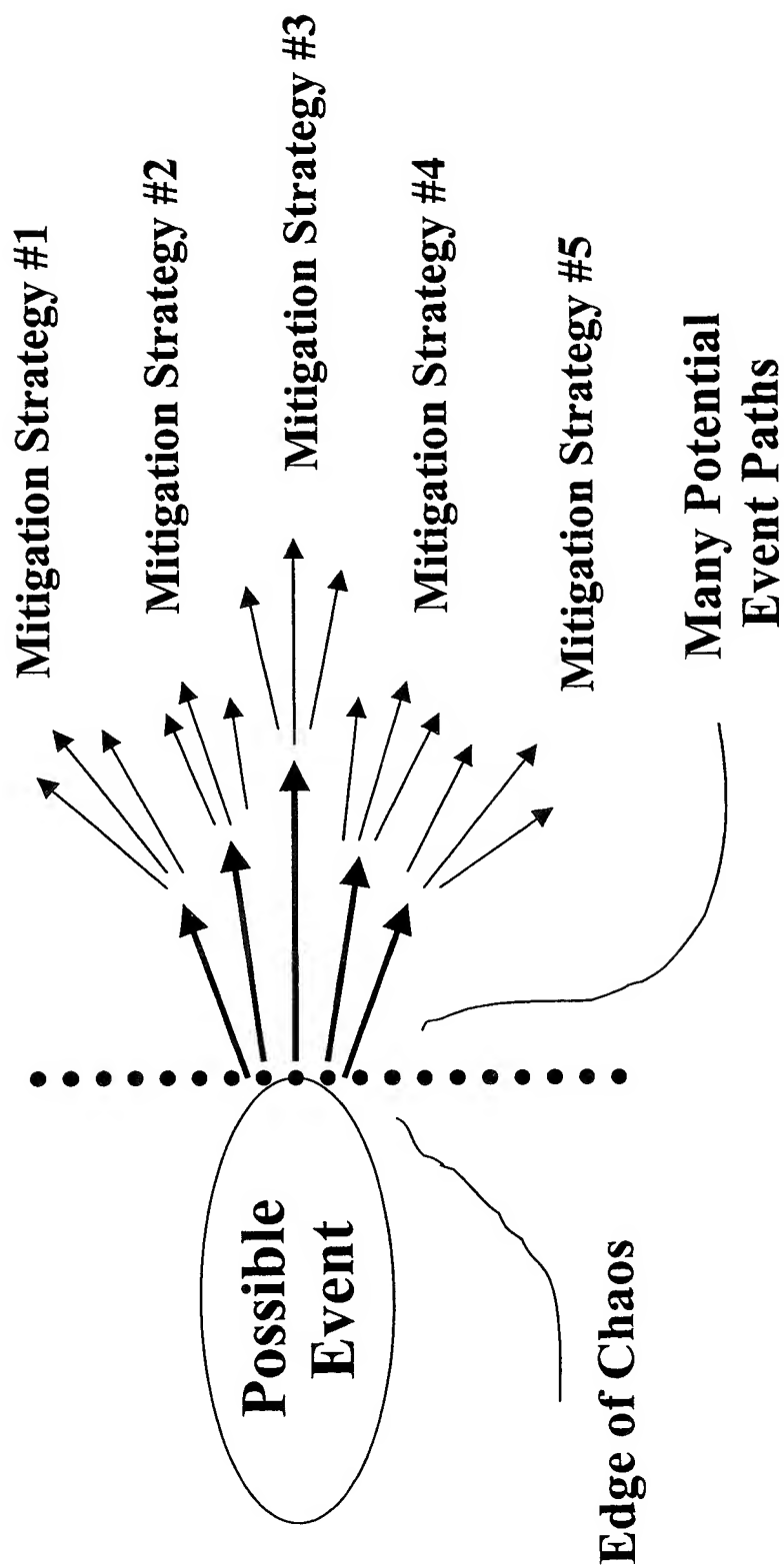


FIG. 8

Consensus Team Decision Model

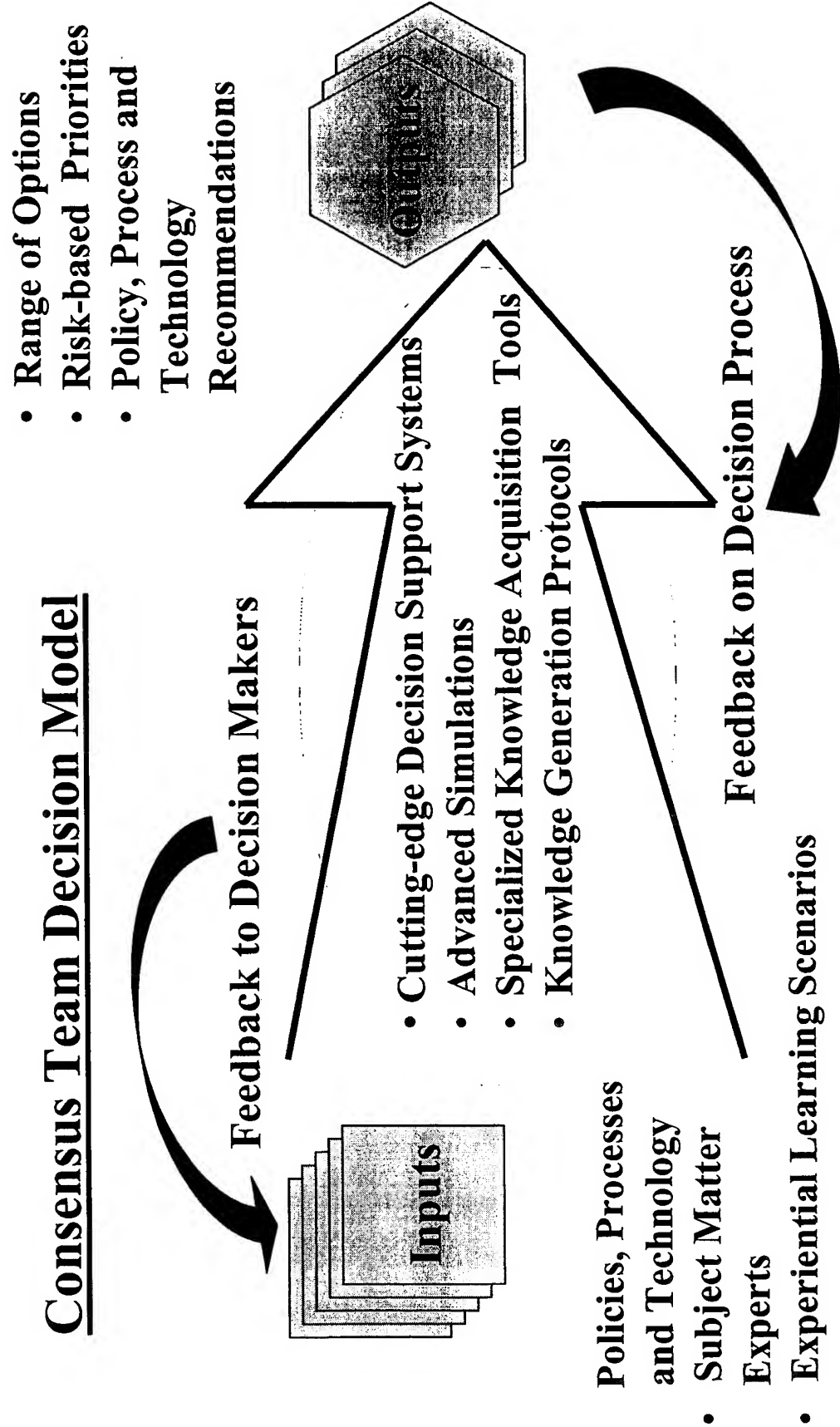


FIG. 9

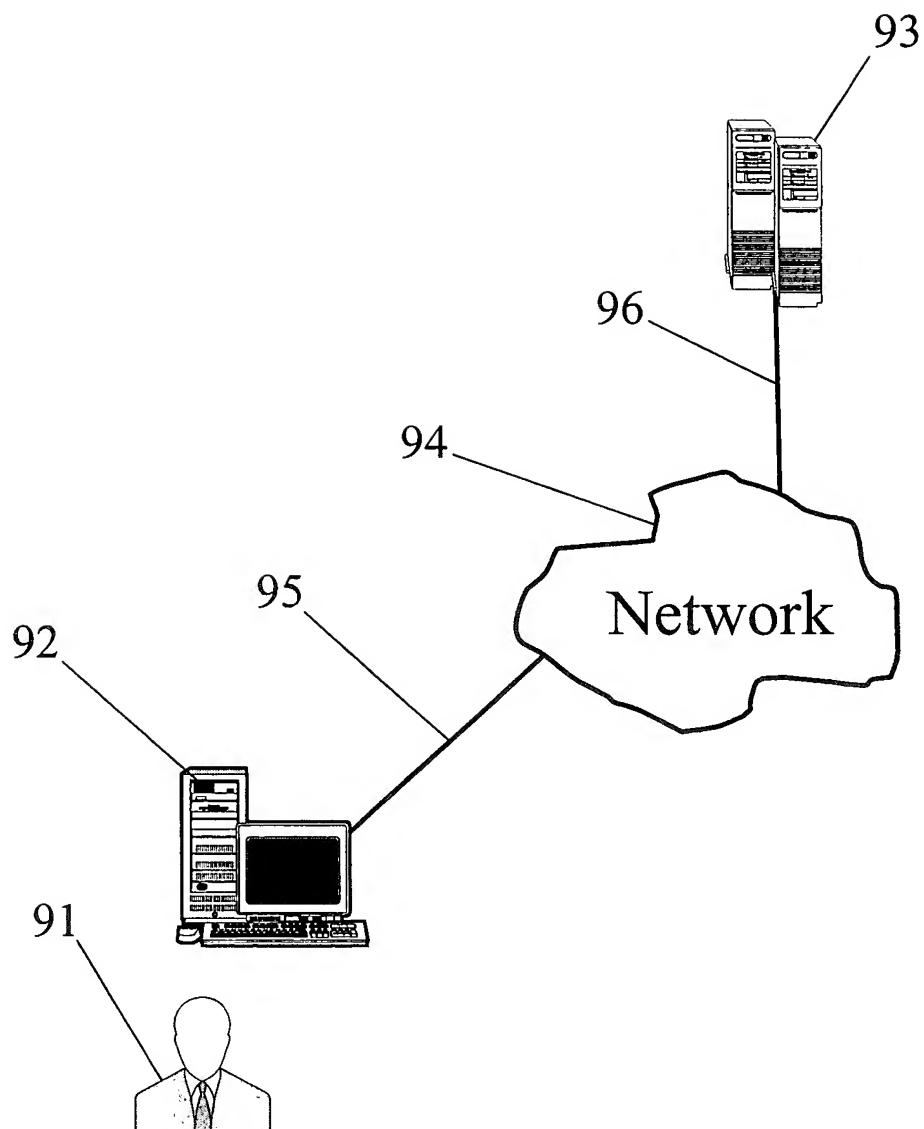


FIG. 10

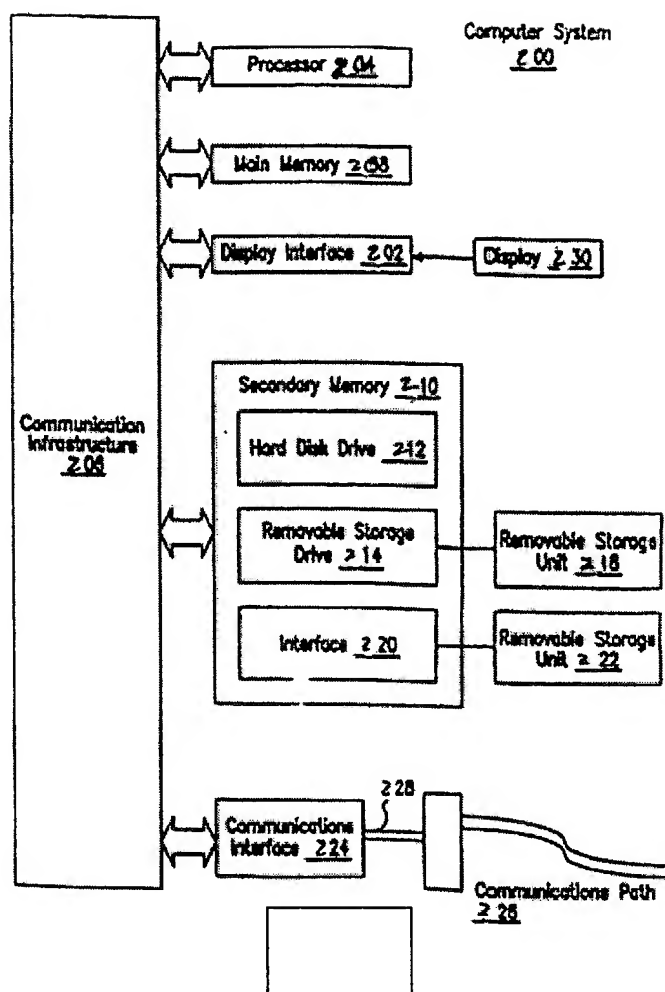


FIG. 11

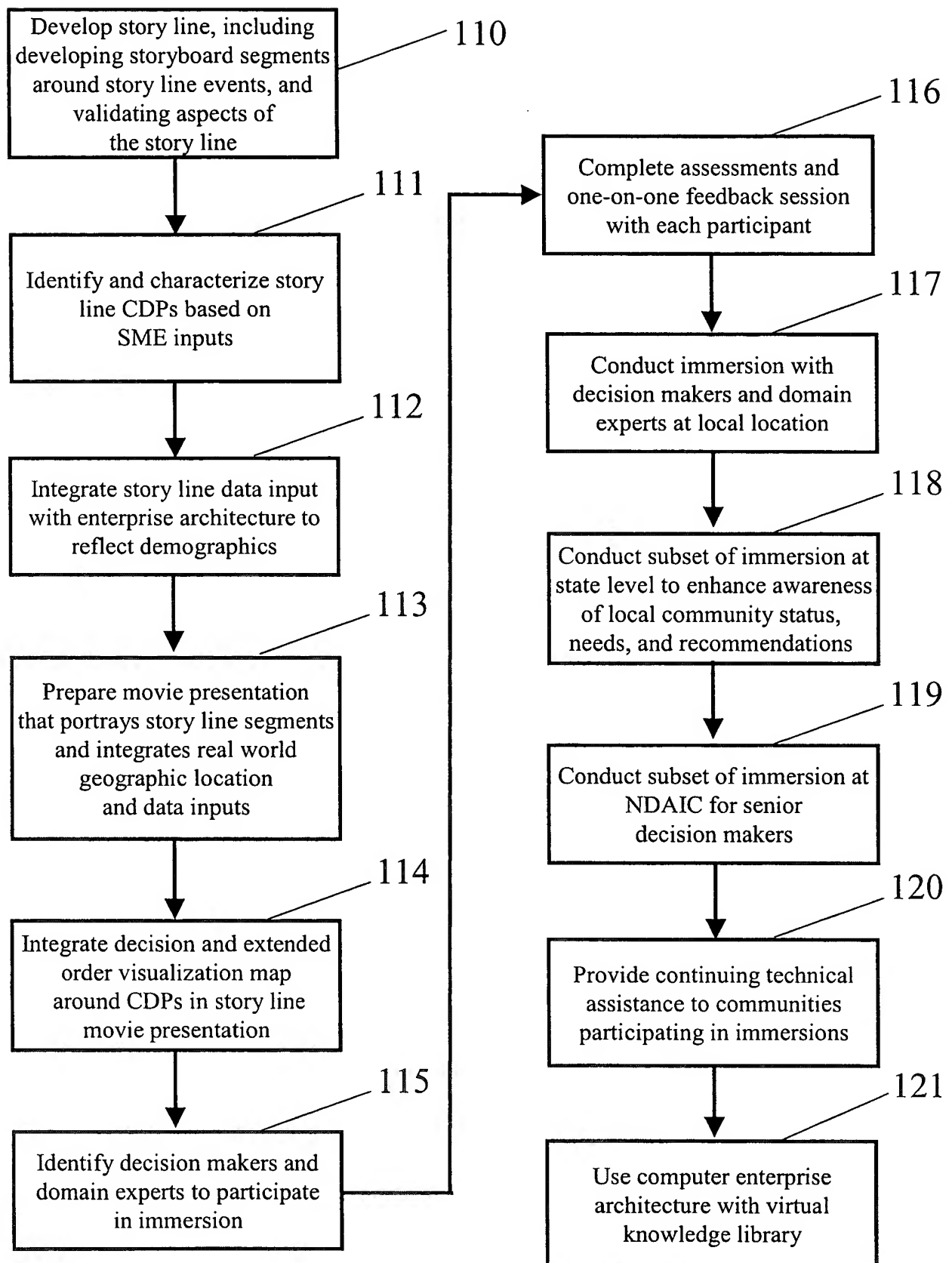


FIG. 12

